

CLAIMS

[1] An electret condenser, comprising:

a first electrode;

a second electrode;

5 a first insulating film which is formed between the first electrode and the second electrode and is electretized; and

a second insulating film formed so as to cover the first insulating film,

wherein the first insulating film covered with the second insulating film is formed on the second electrode.

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[2] The electret condenser of Claim 1,

wherein the first insulating film is a silicon oxide film grown in an atmosphere at a temperature in a range between 500 °C and 800 °C, both inclusive.

15 [3] The electret condenser of Claim 1,

wherein the second insulating film is a silicon nitride film grown in an atmosphere at a temperature in the range between 600 °C and 800 °C, both inclusive

[4] The electret condenser of Claim 1,

20 wherein the second electrode, the first insulating film, and the second insulating film compose a vibrating film.

[5] The electret condenser of Claim 4,

25 wherein a shape in plan of the first insulating film is smaller than a shape in plan of the vibrating film, and

the first insulating film is arranged at a central part of the vibrating film.

[6] An electret condenser, comprising:

a first electrode;

a second electrode; and

a first insulating film which is formed between the first electrode and the second

5 electrode and is electretized,

wherein the first insulating film is covered with the second electrode and a second insulating film, and

the second electrode is made of polysilicon.

10 [7] The electret condenser of Claim 6,

wherein the first insulating film is a silicon oxide film grown in an atmosphere at a temperature in a range between 500 °C and 800 °C, both inclusive.

[8] The electret condenser of Claim 6,

15 wherein the second insulating film is a silicon nitride film grown in an atmosphere at a temperature in the range between 600 °C and 800 °C, both inclusive

[9] The electret condenser of Claim 6,

20 wherein the second electrode, the first insulating film, and the second insulating film compose a vibrating film.

[10] The electret condenser of Claim 9,

wherein a shape in plan of the first insulating film is smaller than a shape in plan of the vibrating film, and

25 the first insulating film is arranged at a central part of the vibrating film.